

AMENDMENTS TO THE SPECIFICATION

Amendments to the specification are as follows:

Please replace the paragraph beginning at page 1, line 22 with the following amended paragraph:

W0 01/18500 describes a device where the thermal conductivity and the mass flow of a gas are measured. It comprises, on the one hand, a conventional thermal flow sensor with a ~~heating~~ heater, referred to herein also as a "heating," and two temperature detectors arranged symmetrically thereto, which is arranged in the flowing gas, and, on the other hand, an identically designed reference sensor arranged in a non-flowing section of the gas. Such a device allows a more accurate determination of the flow because the thermal conductivity of the gas can be determined more accurately by means of the reference sensor, which can be used for a correction of the flow value.